



August 30, 2016

Valued Customer

To whom it may concern:

This letter is regarding **Akestra™**, produced in Japan or Taiwan. This product is uniquely identified by the Chemical Abstracts Service (CAS) Registry number 102070-64-4.

Kosher / Halal Status & GMOs

This is a synthetic chemical product, derived from petrochemical sources, and Perstorp uses no plant or animal tissues, organs, fats, oils, or byproducts in its manufacture. Perstorp does not employ any genetically manufactured or genetically modified organisms or substances in its manufacture. At no time does this product come into contact with any equipment used for processing plant or animal products, or genetically manufactured or genetically modified substances.

Allergens

This product contains no protein, oil, nut derivative or any other allergen, including but not limited to corn, gluten, eggs, milk, peanuts / extracts, soya, tree nuts (almonds, cashew, etc.) / extracts, fish / extracts, crustacea (crab, lobster, shrimp, etc.) / extracts or natural latex.

Nano Materials

This product contains no nanoscale materials or ingredients. The toxicity or harmful effects of this product may have been tested on animals.

European Union

Commission Regulation (EU) No. 10/2011 (Plastics for Food Contact)

As amended by Commission Regulation (EU) 2016/1416, all monomers comprising Akestra are approved for use in the production of polyesters. Akestra itself meets the requirements of a polymer intended for food contact. Of course, all food contact formulations must be evaluated according to the provisions set forth in European Commission Regulation (EU) No. 10/2011, CHAPTER V.

Regulation (EC) No. 1907/2006 (REACH)

Akestra meets the requirements to be considered a polymer in the EU under the provisions of REACH. If the product is purchased directly from Perstorp, it can be considered an exempt polymer according to REACH. We do not track sales of these products through third parties, and therefore this exemption does not apply to products imported into the EU by other companies. Furthermore, Akestra contains no measurable quantity of Substances of Very High Concern (SVHC) defined by the EU REACH regulation according to the list published by the European Chemicals Agency (ECHA) as of the date of this letter.

Regulation (EC) No 219/2009 (Packaging and Packaging Waste)

This product contains no polychlorinated biphenyls (PCBs), polybrominated biphenyls PBBs, polybrominated diphenyl ethers (PBDE), benzene, toluene, xylene, hexachlorobenzene, melamine, azo dyes, asbestos, biocides, carcinogens or radioactive materials.

Perstorp AB

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Regulation 999/2001 (Substances of Animal Origin)

This is a synthetic chemical product, derived from petrochemical sources, and no animal tissues, organs, fats, oils, or byproducts are used in its manufacture. At no time does this product come into contact with any equipment used for processing animal products.

Directive 2005/84/EC, Commission Decision 1999/815/EC (Phthalates)

This product contains no phthalates.

Regulation (EC) No. 1005/2009 on Substances that Deplete the Ozone Layer

This product does not contain ozone-depleting substances.

Directive 2011/65/EU (RoHS)

This product is in compliance with Directive 2011/65/EU of the European Parliament on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS).

Directive 2003/53/EC (Restricting Nonylphenol and Nonylphenol Ethoxylates)

This product contains no nonyl phenol, nonylphenol ethoxylates nor any of the listed restricted substances.

Regulation 2005/1895/EC (Epoxy Derivatives)

This product contains no Bisphenol-A or epoxy derivatives.

Regulation (EU) No. 1272/2008 (CMR)

There are no special hazards associated with this product, and no labeling is required with respect to this regulation. This product does not contain PBT or vPvB

Directive 98/8/EC (Biocides)

Commission Decision 2009/251/EC (Dimethylfumarate)

This product is not considered a biocide or pesticide. No biocidal materials are intentionally added to this product.

Directive 2009/48/EC (Toy Safety)

This product contains no heavy metals in excess of the limits proscribed by this directive.

EU Regulation 208/2005 (Polycyclic Aromatic Hydrocarbons)

This product does not contain any of the listed restricted substances.

Directive 2004/42/EC (Volatile Organic Compounds)

This product contains essentially zero Volatile Organic Compounds (VOCs).

United States

21 CFR 189.5; 21 CFR 700.27 (BSE/TSE)

This is a synthetic chemical product, derived from petrochemical sources. This product does not contain bovine derivatives, BSE or TSE.

21 CFR Compliance (FDA)

Per FCN 1135 (20 April 2012), this product can be used as “the basic polymer in the manufacture of films, coatings, and molded articles having a maximum thickness of 5 mm for single-use and repeated-use food-contact applications.”

Akestra grades can be used in contact with all food types under the following conditions of use:

Akestra 90:	Conditions of Use C through G as set forth in Tables 1 and 2
Akestra 100:	Conditions of Use B through H as set forth in Tables 1 and 2
Akestra 110:	Conditions of Use B through H as set forth in Tables 1 and 2

40 CFR Part 82 Subpart E, ODS

This product does not contain ozone-depleting substances.

40 CFR Part 60, VOC

This product contains essentially zero Volatile Organic Compounds (VOCs). This product contains essentially zero Hazardous Air Pollutants (HAPs).

Consumer Product Safety Improvement Act of 2008

This product does not contain any of the listed restricted substances.

US CSG (CONEG)

This product does not contain Arsenic, Cadmium, Chromium, Lead, Mercury and Zinc.

California Proposition 65

This product contains no ingredient or impurity (above *no significant risk levels*) known by the state of California to cause cancer or reproductive effects (Proposition 65). This includes all substances identified on the Proposition 65 list as of the date of this letter.

State Legislation on Bisphenol A (BPA)

This product contains no Bisphenol-A or epoxy derivatives.

Japan

JHOSPA

Akestra 90, 100 and 110 are registered by Japan Hygienic Olefin and Styrene Plastics Association (JHOSPA) with registration number [A] QZar-14111. This registration covers all types of foods (Fatty, Aqueous (pH >5), Acid (pH <5) and Alcoholic) at or under 100°C.

Please do not hesitate to contact me with any questions. Thank you for your continued interest in Perstorp.

Sincerely,



Jeffrey P. Jones
Environment and Sustainability Manager